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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/456,265	12/07/1999	JUN-SEO LEE	P992039	6220

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EXAMINER
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ANWAH, OLISA

ART UNIT	PAPER NUMBER
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2645

DATE MAILED: 03/08/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/456,265

Applicant(s)

LEE, JUN-SEO

Examiner

Olisa Anwah

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1, 3-7, 9, 11-15, 17, 19-21, 23 and 24 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Bartholomew et al, U.S. Patent No. 6,215,858 (hereinafter Bartholomew) in view of Bowater et al, U.S. Patent No. 6,282,269 (hereinafter Bowater).

Regarding claim 1, Bartholomew discloses an apparatus for recording/reproducing a voice message in response to an incoming call to an exchange system (Figures 5, 8 and 9), said apparatus comprising:

at least one subscriber unit for entering said voice message (406, 418, 420, 422, 424 and 426);

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an internet gateway (408+404 and 410+406) for recording/reproducing said voice message, said internet gateway comprising:

a digital-signal-processor (121) having a plurality of ports as data communicating paths, said digital signal processor having a buffer and for outputting said voice message via one of said plurality of ports;

a call processor (125) for establishing a call connection between said subscriber unit and said internet gateway in response to said incoming call and for outputting port information indicating an available port among said plurality of ports;

a DSP manager (123) coupled to said call processor for activating said available port of said digital-signal-processor in response to said port information;

a flash memory (125) for storing said compressed voice message and a controlling circuit coupled to said flash memory for controlling the stored characteristics of said compressed voice message to be stored in said flash memory and for retrieving said voice message in said flash memory in said buffer in response to said incoming call from said telephone unit (col. 17, lines 25-35).

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Bartholomew teaches compressing voice messages (col. 1, line 35). However Bartholomew does not explicitly disclose the DSP having a data compressor for compressing said voice message and a data decompressor for decompressing said voice message stored in said buffer. Nonetheless, Bowater teaches these limitations (col. 5, lines 25-30). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Bartholomew with the DSP taught by Bowater. This modification allows for voice messages to be digitized as suggested by Bartholomew and Bowater.

Regarding claim 3, see col. 17, lines 25-35.

Regarding claim 4, see column 28.

Regarding claim 5, see column 28.

Regarding claim 6, see column 28.

Regarding claim 7, see col. 29, lines 5-15.

Claim 9 is rejected for the same reasons as claim 1.

Regarding claim 11, see col. 17, lines 25-35.

Claim 12 is rejected for the same reasons as claim 4.

Claim 13 is rejected for the same reasons as claim 5.

Claim 14 is rejected for the same reasons as claim 6.

Claim 15 is rejected for the same reasons as claim 1.

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Regarding claim 17, see column 17.

Claim 19 is rejected for the same reasons as claim 1.

Claim 20 is rejected for the same reasons as claim 3.

Regarding claim 21, see column 28.

Claim 23 is rejected for the same reasons as claim 1.

Regarding claim 24, see col. 17, lines 25-35.

3. Claims 2, 10, 16, 22 and 25 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Bartholomew combined with Bowater in view of Sienel et al, U.S. Patent No. 6,426,942 (hereinafter Sienel).

Regarding claim 2, the combination of Bartholomew and Bowater fails to disclose the data compressor and said data decompressor, respectively, compress and decompress said voice message according to one of the algorithms set forth in G.723.1 and G.729. However Sienel discloses this limitation (col. 4, line 59). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to further modify the combination of Bartholomew and Bowater with the algorithm disclosed by Sienel. This modification allows for the production of 6.3 kBit/s data streams as suggested by Sienel.

Claim 10 is rejected for the same reasons as claim 2.

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Claim 16 is rejected for the same reasons as claim 2.

Claim 22 is rejected for the same reasons as claim 2.

Claim 25 is rejected for the same reasons as claim 2.

4. Claims 8 and 18 are rejected under 35 U.S.C § 103(a) as being unpatentable over Bartholomew in view of Bowater.

Regarding claim 8, the combination of Bartholomew and Bowater fails to teach the controlling circuit retrieves said voice message from said flash buffer at every 30 miliseconds. "Official Notice" is taken that this limitation is both old and well known in the art. Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to further modify the combination of Bartholomew and Bowater wherein the controlling circuit retrieves said voice message from said flash buffer every 30 milliseconds. This modification allows for voice messages to be reproduced.

Claim 18 is rejected for the same reasons as claim 8.

#### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Olisa

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Anwah whose telephone number is 703-305-4814. The examiner can normally be reached on Monday to Friday from 8.30 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on 703-305-4895. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

O.A.

Olisa Anwah  
Patent Examiner  
February 19, 2004

FAN TSANG  
SUPERVISOR, PATENT EXAMINER  
TECHNOLOGY CENTER 2600

